

	A	B	C	D	E
1		<b>PREDICT-2 Surveillance</b>			
2		Updated through September 2019			
3		Source: EIDITH data, surveillance team, behavior team			
4					
5		Note: The PREDICT surveillance protocol focuses on: (1) priority animals (including bats, rodent, non-human primates, and sometimes livestock) and humans at			
6		PREDICT-2 routinely collects multiple sample types from target species. Due to budget and time constraints, PREDICT is not be able to test all individuals sample			
7	<b>Country</b>	<b># Site/Events Characterized</b>	<b>Site Characterization-Risk Interfaces Characterized</b>	<b># Wild Animals Sampled</b>	<b>Wildlife Taxa Sampled (n)</b>
8	<b>China</b>	30/164	animal production; crop production; dwellings and temporary settlements; human hospital; natural areas	2717	rodents/shrews(637); bats(2080)
9	<b>Nepal</b>	8/130	animal production; crop production; dwellings and temporary settlements; human hospital; market and value chain; natural areas; wildlife restaurant	2524	rodents/shrews(800); birds(154); non- human primates(1120); bats(450)
10	<b>India</b>	2/8	animal production; crop production; dwellings and temporary settlements; extractive industry; human hospital; natural areas	19	rodents/shrews(8); non-human primates(4); bats(7)
11	<b>Mongolia</b>	26/66	natural areas; outbreak investigation	3243	birds(3243)
12	<b>Bangladesh</b>	282/515	animal production; crop production; dwellings and temporary settlements; human hospital; market and value chain; natural areas; outbreak investigation; zoos and sanctuaries	12304	rodents/shrews(1306); birds(821); non-human primates(8028); bats(2149)
13	<b>Myanmar</b>	28/109	animal production; crop production; dwellings and temporary settlements; human hospital; market and value chain; natural areas; wildlife restaurant; zoos and sanctuaries	2826	rodents/shrews(541); pangolins(11); carnivores(1); non-human primates(326); bats(1947)

	F	G	H	I	J
1					
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5	animal-human interfaces where there is high-potential for zoonotic spillover; (2) and five viral families (influenzas, coronaviruses, filoviruses, flaviviruses, and paramyxoviruses) which contain m				
6	ed or all sample types from each individual.				
7	<b># Domestic Animals Sampled</b>	<b>Domestic Species Sampled (n)</b>	<b># Human Questionnaires completed</b>	<b># Humans Sampled</b>	<b>Human Questionnaire Risk Characterized (n)</b>
8	not planned	not planned	718	718	animal production or abattoir(16); construction(11); crop production(456); health professional(2); human hospital or clinic (218) ; hunter/trapper/fisher (1) ; migrant laborer(34); other(235); temporary settlement (1)
9	sampling at one concurrent site supported by FAO	sampling supported by FAO	2048	1947	animal production or abattoir(264); construction(106); crop production(502); health professional(9); human hospital or clinic (556) ; hunter/trapper/fisher (55) ; market & value chain(34); migrant laborer(22); other(1430); protected area worker(2); temporary settlement (857)
10	not planned	not planned	65	65	construction(1); crop production(5); human hospital or clinic (23) ; hunter/trapper/fisher (1) ; migrant laborer(3); other(56)
11	not planned	not planned	not planned	not planned	not planned
12	1472	poultry/other fowl(907); camels(176); goats/sheep(164); dogs(19); cattle/buffalo(206)	1106	862	animal production or abattoir(633); construction(7); crop production(186); forager/gatherer(1); health professional(6); human hospital or clinic (762) ; hunter/trapper/fisher (155) ; market & value chain(160); migrant laborer(7); other(741)
13	173 (sampling supported by FAO)	poultry/other fowl(52); goats/sheep(57); swine(64)	708	608	animal production or abattoir(387); construction(3); crop production(228); forager/gatherer(5); health professional(5); human hospital or clinic (20) ; hunter/trapper/fisher (59) ; market & value chain(10); migrant laborer(5); other(194); protected area worker(48); temporary settlement (11) ; wildlife restaurant(2); zoos & sanctuaries(63)

	K	L	M	N	O	P
1						
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5	members that have caused epidemics and pandemics. In general, field activities are planned for a minimum of 2 years for wildlife and 1 year for humans.					
6						
7	<b># Ethnographic Interviews</b>	<b># Focus Groups</b>	<b># Focus Group Participants</b>	<b># Wild Animals Tested</b>	<b># Domestic Animals</b>	<b># Humans Tested</b>
8	132	5	40	2650	0	618
9	67	5	42	2047	0	1919
10	not planned	not planned	not planned	19	0	65
11	not planned	not planned	not planned	3238	0	0
12	73	3	29	5756	956	862
13	not planned	not planned	not planned	1062	0	607

by end of Year 5

	A	B	C	D	E
14	<b>Malaysia, Peninsular</b>	60/98	dwellings and temporary settlements; natural areas; zoos and sanctuaries	1040	rodents/shrews(129); pangolins(2); ungulates(4); carnivores(2); non- human primates(155); bats(748)
15	<b>Malaysia, Sabah</b>	81/174	crop production; dwellings and temporary settlements; human hospital; natural areas; wildlife restaurant; zoos and sanctuaries	1533	rodents/shrews(423); pangolins(55); ungulates(2); carnivores(87); non- human primates(86); bats(880)
16	<b>Thailand</b>	42/233	crop production; dwellings and temporary settlements; extractive industry; human hospital; market and value chain; natural areas; zoos and sanctuaries	3083	rodents/shrews(621); non-human primates(359); bats(2103)
17	<b>Cambodia</b>	7/29	animal production; crop production; dwellings and temporary settlements; extractive industry; human hospital; market and value chain	5894	rodents/shrews(879); birds(10); bats(5005)
18	<b>Lao PDR</b>	4/32	animal production; crop production; dwellings and temporary settlements; human hospital; market and value chain	745	rodents/shrews(676); bats(69)
19	<b>Vietnam</b>	57/129	animal production; dwellings and temporary settlements; human hospital; market and value chain; natural areas; wildlife restaurant; zoos and sanctuaries	2989	rodents/shrews(1414); pangolins(339); birds(3); carnivores(308); non-human primates(190); bats(735)

	F	G	H	I	J
14	677	poultry/other fowl(219); goats/sheep(35); dogs(411); swine(12)	1390	1390	crop production(311); hunter/trapper/fisher (32) ; market & value chain(14); other(334)
15	not planned	not planned	10	10	animal production or abattoir(3); construction(2); crop production(3); human hospital or clinic (10) ; other(5)
16	205 (sampling supported by FAO)	goats/sheep(30); dogs(51); cats(52); cattle/buffalo(72)	678	678	animal production or abattoir(7); construction(22); crop production(114); extractive industry worker(52); forager/gatherer(2); health professional(12); human hospital or clinic (206) ; hunter/trapper/fisher (10) ; other(446); temporary settlement (1) ; zoos & sanctuaries(34)
17	2711 (sampling supported by FAO)	poultry/other fowl(1550); goats/sheep(33); dogs(176); cats(14); horses(7); cattle/buffalo(695); swine(236)	1803	1683	animal production or abattoir(251); construction(59); crop production(636); forager/gatherer(1); human hospital or clinic (910) ; hunter/trapper/fisher (76) ; market & value chain(28); migrant laborer(11); other(1032); protected area worker(1); temporary settlement (5) ; wildlife restaurant(2); zoos & sanctuaries(1)
18	626 (sampling supported by FAO)	poultry/other fowl(278); cattle/buffalo(235); swine(113)	234	230	animal production or abattoir(22); construction(5); crop production(127); extractive industry worker(1); forager/gatherer(3); human hospital or clinic (200) ; hunter/trapper/fisher (8) ; migrant laborer(2); other(101); temporary settlement (2)
19	491 (sampling supported by FAO)	poultry/other fowl(120); swine(371)	1230	1230	animal production or abattoir(536); construction(25); crop production(533); extractive industry worker(12); forager/gatherer(9); health professional(38); human hospital or clinic (805) ; hunter/trapper/fisher (103) ; market & value chain(3); migrant laborer(31); other(245); protected area worker(6); temporary settlement (18) ; wildlife restaurant(13); zoos & sanctuaries(15)

	K	L	M	N	O	P
14	not planned	not planned	not planned	936	671	1390
15	0	0	0	1429	0	10
16	not planned	not planned	not planned	3081	205	678
17	not planned	not planned	not planned	2542	894	1371
18	13	1	9	745	477	230
19	40	4	37	2232	488 (pilot samples tested with FAO)	1230

by end of Year 5

	A	B	C	D	E
20	<b>Indonesia</b>	19/226	animal production; crop production; human hospital; market and value chain; natural areas; wildlife restaurant	2545	rodents/shrews(723); bats(1822)
21	<b>Egypt</b>	13/54	animal production; crop production; market and value chain; natural areas	1003	bats(1003)
22	<b>Jordan</b>	28/107	animal production; crop production; dwellings and temporary settlements; market and value chain; natural areas	1080	bats(1080)
23	<b>Ethiopia</b>	7/39	animal production; crop production; dwellings and temporary settlements; human hospital; market and value chain; natural areas	1043	non-human primates(454); bats(589)
24	<b>Kenya</b>	24/41	animal production; crop production; dwellings and temporary settlements; market and value chain; natural areas; zoos and sanctuaries	1020	rodents/shrews(316); non-human primates(334); bats(370)
25	<b>Tanzania</b>	26/138	animal production; crop production; dwellings and temporary settlements; extractive industry; human hospital; market and value chain; natural areas	3138	rodents/shrews(872); non-human primates(193); bats(2073)

	F	G	H	I	J
20	784 (sampling supported by FAO)	cattle, pigs, goats, and horses (concurrently within a month)	896	673	animal production or abattoir(77); construction(27); crop production(285); extractive industry worker(4); health professional(8); human hospital or clinic (217) ; hunter/trapper/fisher (121) ; market & value chain(5); other(614); temporary settlement (1) ; wildlife restaurant(2)
21	sampling supported by FAO	sampling supported by FAO	1097	1097	animal production or abattoir(891); crop production(15); forager/gatherer(1); health professional(3); hunter/trapper/fisher (23) ; market & value chain(187); other(55)
22	sampling supported by FAO	sampling supported by FAO	1085	1084	animal production or abattoir(40); health professional(2); market & value chain(71); other(974)
23	Relevant samples not available from FAO		11/8/1900	11/6/1900	animal production or abattoir(16); construction(6); crop production(18); health professional(4); human hospital or clinic (313) ; migrant laborer(17); other(257); protected area worker(1)
24	514	camels(514)	327	327	animal production or abattoir(113); construction(11); crop production(11); forager/gatherer(7); hunter/trapper/fisher (8) ; market & value chain(1); migrant laborer(52); other(140); protected area worker(4); temporary settlement (3) ; zoos & sanctuaries(2)
25	372 (sampling supported by FAO)		1172	901	animal production or abattoir(299); construction(11); crop production(931); extractive industry worker(53); forager/gatherer(65); health professional(10); human hospital or clinic (782) ; hunter/trapper/fisher (76) ; market & value chain(24); migrant laborer(2); other(318); protected area worker(10); temporary settlement (10) ; wildlife restaurant(2); zoos & sanctuaries(5)



	K	L	M	N	O	P
20	83	4	42	2542	0	671
21	not planned	not planned	not planned	1003	0	1097
22	not planned	not planned	not planned	1080	0	1084
23	not planned	not planned	not planned	808	0	310
24	not planned	not planned	not planned	811	100	327
25	65	38	337	1976	0	881

	A	B	C	D	E
26	<b>Uganda</b>	33/79	animal production; crop production; dwellings and temporary settlements; extractive industry; human hospital; market and value chain; natural areas; zoos and sanctuaries	1658	rodents/shrews(397); non-human primates(497); bats(764)
27	<b>Rwanda</b>	38/79	crop production; dwellings and temporary settlements; human hospital; natural areas	1145	rodents/shrews(309); non-human primates(241); bats(595)
28	<b>DR Congo</b>	107/645	crop production; dwellings and temporary settlements; extractive industry; human hospital; market and value chain; natural areas; outbreak investigation; wildlife restaurant; zoos and sanctuaries	2180	rodents/shrews(777); non-human primates(558); bats(845)
29	<b>Republic of Congo</b>	7/28	animal production; crop production; dwellings and temporary settlements; extractive industry; market and value chain; wildlife restaurant	346	rodents/shrews(145); carnivores(1); bats(200)
30	<b>Cameroon</b>	36/135	crop production; dwellings and temporary settlements; extractive industry; human hospital; market and value chain; natural areas; outbreak investigation; wildlife restaurant; zoos and sanctuaries	4217	rodents/shrews(2345); pangolins(39); ungulates(21); carnivores(38); non-human primates(856); bats(918)
31	<b>Ghana</b>	7/71	animal production; crop production; dwellings and temporary settlements; human hospital; market and value chain; natural areas; outbreak investigation	2926	rodents/shrews(532); non-human primates(496); bats(1898)

	F	G	H	I	J
26	80	camels(80)	428	413	animal production or abattoir(304); construction(4); crop production(387); forager/gatherer(1); human hospital or clinic (413) ; hunter/trapper/fisher (2) ; market & value chain(2); other(39); protected area worker(21); wildlife restaurant(1)
27	not planned	not planned	400	400	construction(12); crop production(136); health professional(19); human hospital or clinic (398) ; migrant laborer(1); other(219); zoos & sanctuaries(14)
28	34	poultry/other fowl(7); goats/sheep(16); cattle/buffalo(10); swine(1)	903	873	animal production or abattoir(6); construction(3); crop production(208); extractive industry worker(4); health professional(17); human hospital or clinic (862) ; hunter/trapper/fisher (13) ; market & value chain(43); migrant laborer(20); other(607); temporary settlement (15) ; wildlife restaurant(1); zoos & sanctuaries(2)
29	not planned	not planned	23	0	animal production or abattoir(4); construction(3); crop production(5); forager/gatherer(1); health professional(1); market & value chain(17); other(3); wildlife restaurant(3)
30	not planned	not planned	651	638	animal production or abattoir(12); construction(16); crop production(306); extractive industry worker(8); forager/gatherer(2); health professional(8); human hospital or clinic (434) ; hunter/trapper/fisher (183) ; market & value chain(26); migrant laborer(49); other(258); protected area worker(4); temporary settlement (4) ; wildlife restaurant(76)
31	not planned	not planned	641	565	animal production or abattoir(126); construction(7); crop production(313); extractive industry worker(16); health professional(5); human hospital or clinic (366) ; hunter/trapper/fisher (37) ; market & value chain(3); other(349); protected area worker(1); wildlife restaurant(3); zoos & sanctuaries(4)

	K	L	M	N	O	P
26	46	2	20	474	80	272
27	not planned	not planned	not planned	368	0	392
28	179	10	85	1920	34	699
29	70	3	38	338	0	0
30	173	13	119	4133	0	638
31	not planned	not planned	not planned	1126	0	565

by end of Year 5

	A	B	C	D	E
32	<b>Cote d'Ivoire</b>	9/19	animal production; crop production; dwellings and temporary settlements; human hospital; market and value chain; natural areas; outbreak investigation; wildlife restaurant	801	rodents/shrews(295); birds(12); bats(494)
33	<b>Senegal</b>	8/125	animal production; crop production; dwellings and temporary settlements; human hospital; natural areas; wildlife restaurant; zoos and sanctuaries	874	rodents/shrews(263); non-human primates(253); bats(358)
34	<b>Guinea</b>	29/244	animal production; crop production; dwellings and temporary settlements; market and value chain; natural areas; outbreak investigation	4419	rodents/shrews(904); bats(3515)
35	<b>Liberia</b>	69/89	crop production; dwellings and temporary settlements; extractive industry; natural areas	5387	rodents/shrews(205); bats(5182)
36	<b>Sierra Leone*</b>	61/166	animal production; crop production; dwellings and temporary settlements; market and value chain; natural areas	7402	rodents/shrews(346); non-human primates(15); bats(7041)
37	* Sierra Leone is re-entering PREDICT data into the EIDITH database so this is an incomplete summary of sampling and testing data				

	F	G	H	I	J
32	not planned	not planned	434	401	animal production or abattoir(33); construction(5); crop production(294); extractive industry worker(2); health professional(5); human hospital or clinic (205) ; hunter/trapper/fisher (129) ; market & value chain(7); migrant laborer(2); other(155); temporary settlement (1) ; wildlife restaurant(6)
33	not planned	not planned	824	823	animal production or abattoir(111); construction(21); crop production(90); extractive industry worker(9); forager/gatherer(15); health professional(3); human hospital or clinic (128) ; hunter/trapper/fisher (4) ; migrant laborer(3); other(708); protected area worker(5); zoos & sanctuaries(4)
34	335	goats/sheep(321); dogs(6); swine(8)	341	not planned	animal production or abattoir(4); construction(15); crop production(205); extractive industry worker(1); forager/gatherer(3); health professional(14); human hospital or clinic (9) ; hunter/trapper/fisher (30) ; market & value chain(1); other(121); wildlife restaurant(1)
35	not planned	not planned	585	not planned	animal production or abattoir(5); construction(9); crop production(289); extractive industry worker(32); forager/gatherer(6); health professional(12); hunter/trapper/fisher (70) ; market & value chain(1); other(365); protected area worker(1); zoos & sanctuaries(1)
36	2029	goats/sheep(838); dogs(294); cats(5); swine(892)	588	not planned	animal production or abattoir(7); construction(12); crop production(430); extractive industry worker(4); health professional(17); hunter/trapper/fisher (59) ; market & value chain(8); other(265)
37					

	K	L	M	N	O	P
32	112	10	87	776	0	401
33						
33	not planned	not planned	not planned	874	0	823
34	not planned	not planned	not planned	4411	95	not planned
35						
35	0	0	0	935	0	not planned
36	94	6	85	390	82	not planned
37						